

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A network ~~including~~ comprising:
a bus through which data is transmitted; and
a plurality of network devices connected to the bus,
wherein at least one of the plurality of network devices includes a
measurement portion that measures ~~measurement means for measuring a certain~~
~~variate~~ a first variable in a predetermined measurement cycle and a data output portion
that outputs ~~means for outputting a first~~ result measured by the measurement portion
~~means~~ on the bus, and

wherein at least a second ~~another~~ one of the plurality of network devices
includes a detecting portion that detects ~~means for detecting~~ the predetermined cycle
from a plurality of timings when the ~~measurement~~ result is output on the bus, a
measurement section that measures a second variable ~~measurement means for~~
~~measuring a certain variate~~ at measurement timings ~~on the basis of~~ based on the
predetermined cycle, and a data output section that outputs ~~means for outputting a~~
second result measured by the measurement section ~~means~~ on the bus.

2. (Currently amended) A network including comprising:
a bus through which data is transmitted; and
a plurality of network devices connected to the bus,
wherein at least one of the plurality of network devices includes a
measurement portion that measures a variable ~~measurement means for measuring a~~
~~certain variate~~ at measurement timings based ~~on the basis of~~ a predetermined reference
timing and a data output portion that adds measurement timing ~~means for adding~~
information ~~concerning the measurement timings~~ to a first result measured by the
measurement portion ~~means~~ and outputting ~~outputs~~ the first result on the bus.

3. (Currently amended) The network according to Claim 2, wherein at least a second ~~another~~ one of the network devices includes a measurement section that measures a second variable ~~measurement means for measuring a certain variate~~ at measurement timings ~~that are determined on the basis of~~ based on the measurement timing information added to the ~~measurement~~ first result with respect to a base time when the ~~measurement~~ first result is output, and a data output section that outputs ~~means for outputting~~ a second result measured by the measurement section ~~means~~ on the bus.

4. (Original) The network according to Claim 2, wherein the predetermined reference timing is a timing generated by at least one of the network devices.

5. (Original) The network according to Claim 2, wherein the predetermined reference timing is a timing when a certain network device, among the plurality of network devices, outputs a signal on the bus.